## 38th Annual Meeting, APS Division of Plasma Physics 11-15 November 1996, Denver, CO

## **Abstract Submittal Form**

XX Experiment

☐ Theory

Deadline: Wednesday, 10 July 1996

phone: (301) 209-3286

Subject Classification Category \_\_\_\_\_4.7

(Refer to the DPP Subject Category list on page M19.)	UCRL-JC-124675 Abs
Long Duration Indirect-Drive Exper Hammer, L.J. Suter, T.J. Orzechowsl D. Bach, R. Ward, B.A. Hammel, J.D. Livermore, CA 94550. For laser-dri radiation-hydrodynamic phenomena sand hydrodynamic instability growth drives. Hence a campaign to design ns), near-constant temperature x-ray facility. The long drives are creat maximize the extractable 3ω laser temperatures between 75 and 100 eV mm diameter hohlraums with only temperatures, after correcting for diag soft x-ray gated imagers, equal or exns duration x-ray drives have then transport along empty tubes and in gato normalize simple scaling laws prelasers such as the HELEN Upgrade at auspices of the U.S. Department of Example 1 and 100 eV normalizes and 100 eV normalizes of the U.S. Department of Example 1 and 100 eV normalizes and 100 eV normalizes of the U.S. Department of Example 1 and 100 eV normalizes of the U.S. Department of Example 2 and 100 eV normalizes of the U.S. Depa	ki, T. Weiland, T.S. Perry, J. Bauer, D. Kilkenny, and R.J. Wallace, LLNL, riven hohlraums, certain classes of such as diffusive radiation transport in scale favorably with longer x-ray in, characterize and use longer (5-20 drives has begun at the Nova laser ted by staggering laser beams to renergy. Time-resolved radiation // have been demonstrated in up to 5 // 2 TW input laser power. The gnostic hole closure as monitored by sceed simple analytic estimates. 15 in been used to observe radiation asses. Present results are also used edicting future capabilities on larger and NIF. *Work performed under the Energy by the Lawrence Livermore
☐ Prefer Poster Session ☐ Prefer Oral Session ☐ Place in the following grouping: (Specify the order)	Submitted by:
	Signature of APS Member
☐ Special Audiovisual Requests (e.g., VCR/monitor, movie projector)	Member Name Typewritten
	Affiliation
☐ Other Special Requests (e.g., Supplemental session, additional subject categories)	Phone/Fax
	Email Address
A faxed copy is NOT acceptable. This form, or a comp Wednesday, 10 July 1996 at the following address.	outer-generated form, plus ONE COPY, must be receive
Attn: Meetings Department, DPP96 The American Physical Society One Physics Ellipse College Park, MD 20740 3844	